

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the last paragraph, line 23, page 4 with the following amended paragraph:**

Fig. 2 is a schematic diagram of a radio frequency beamsplitter 20 comprising a highly asymmetric Mach-Zehnder interferometer [[20]]. This is arranged with an input port 22 to receive a radio frequency input signal  $A_{in}$ . The arrow indicates directions of propagation of internal optical fields. A first partially transmitting mirror 24 which splits the optical input  $A_{in}$  into first 26 and second 28 paths. First 30 and second 32 mirrors redirect the first 26 and second 28 paths. In the second path 28 there is a time delay element 34 to introduce a differential time delay  $\tau$  into the second path. The two paths are then mixed again at a second partially transmitting mirror 36 to form two outputs  $A_1$  and  $A_2$ .

**Please amend the first sentence of paragraph 2 on page 7, line 8, as follows:**

The output fields  $A_3$ , after reflection in mirror 48, and  $A_4$  pass through the second Mach-Zehnder interferometer [[20']].

**Please amend the first sentence of the last paragraph on page 8, line 29 as follows:**

The backward travelling fields  $A_5$  and  $A_6$  make a second pass of the Mach-Zehnder interferometer [[20]].